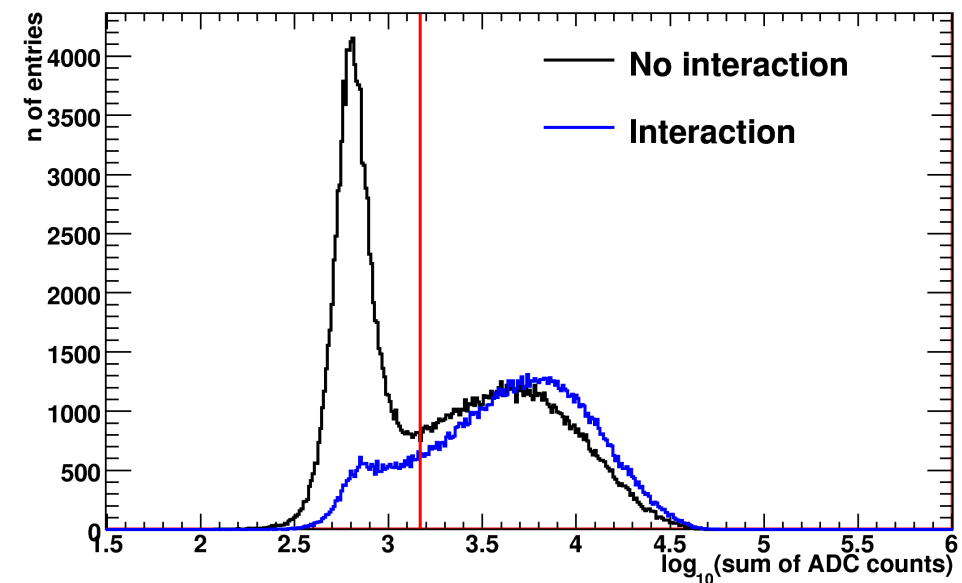
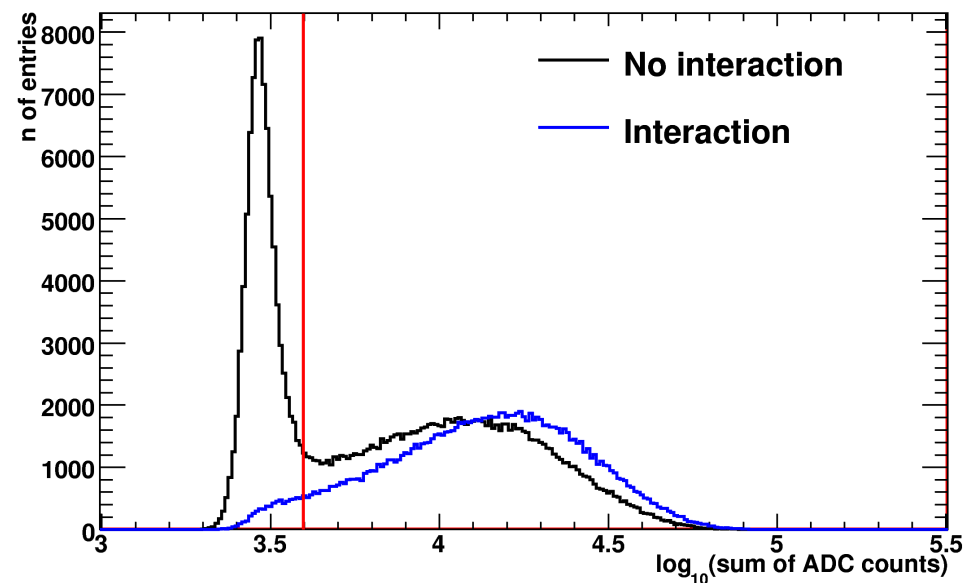


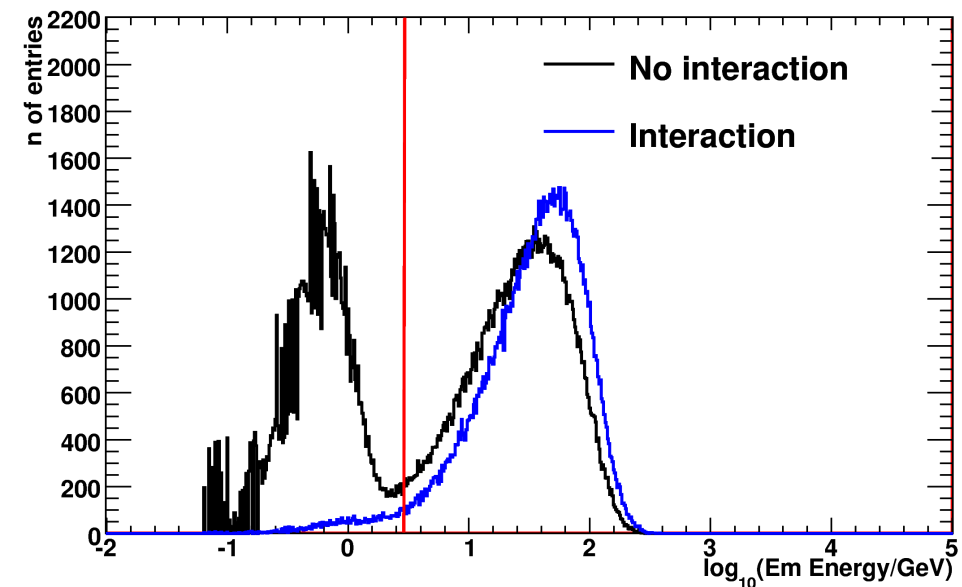
BSC1 West, 0Bias data



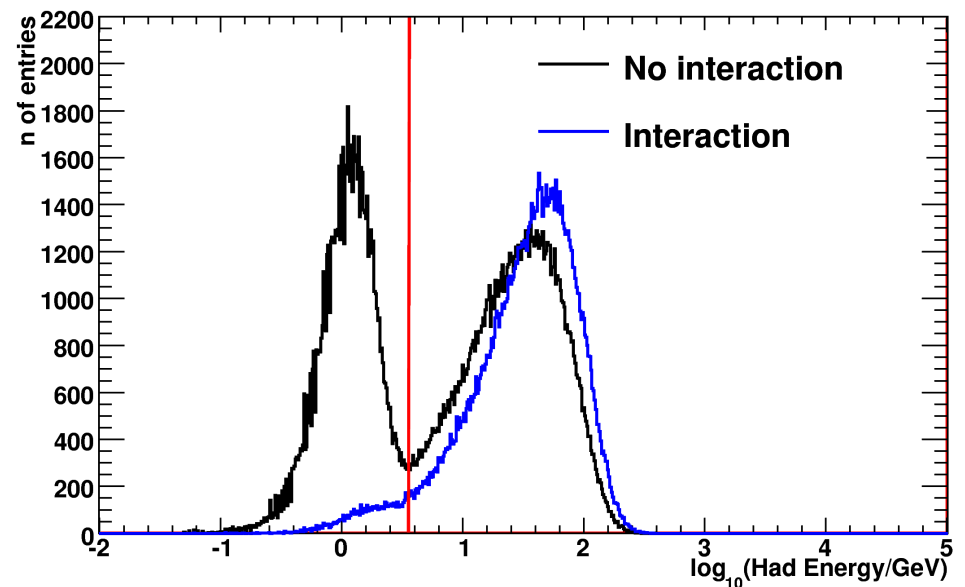
CLC West, 0Bias data



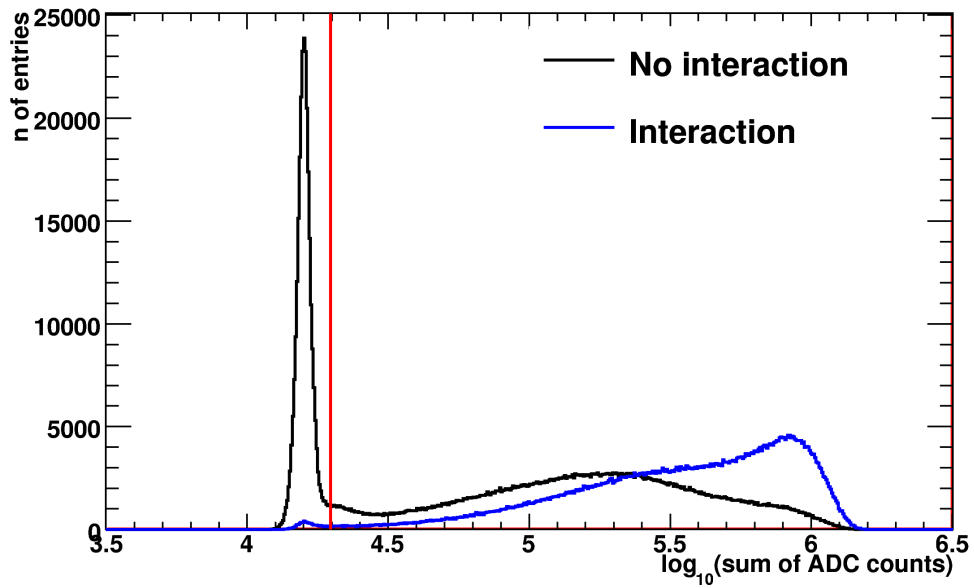
Forward Plug, $2.11 < \eta < 3.64$, 0Bias data



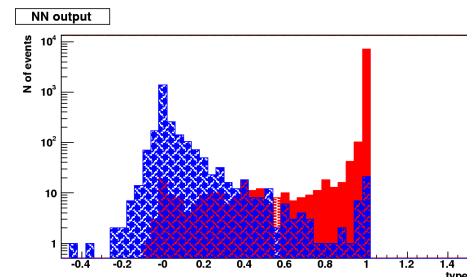
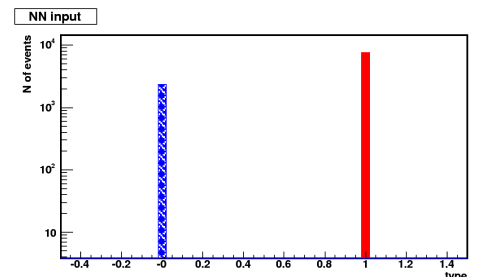
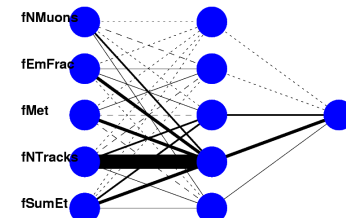
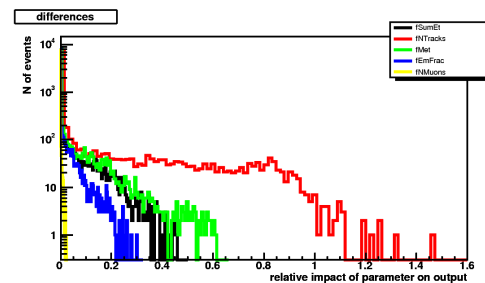
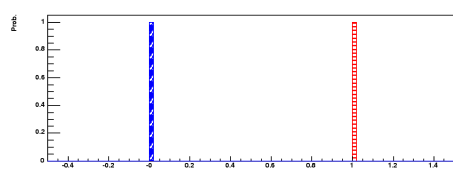
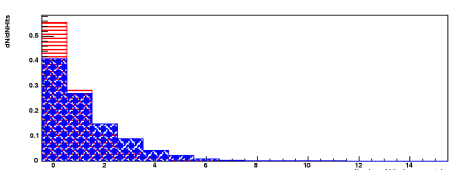
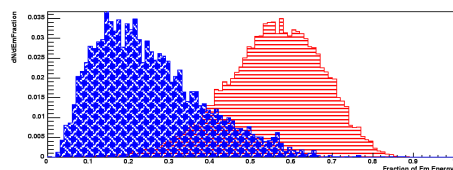
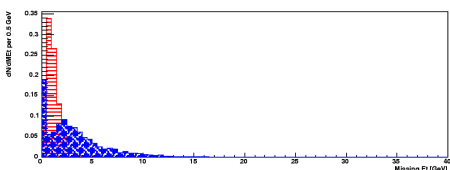
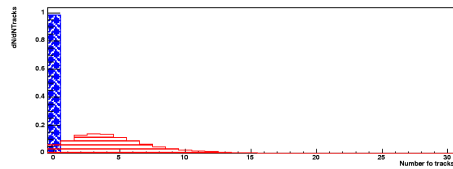
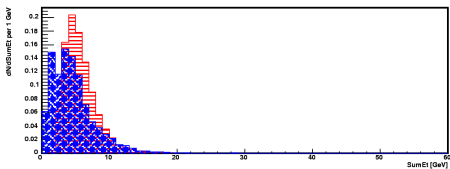
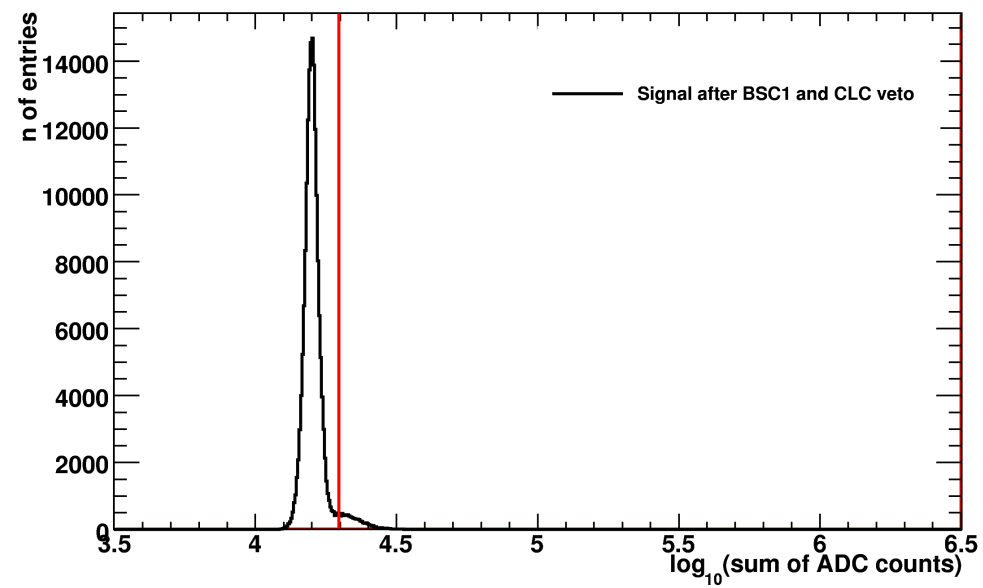
Forward Plug, $2.11 < \eta < 3.64$, 0Bias data



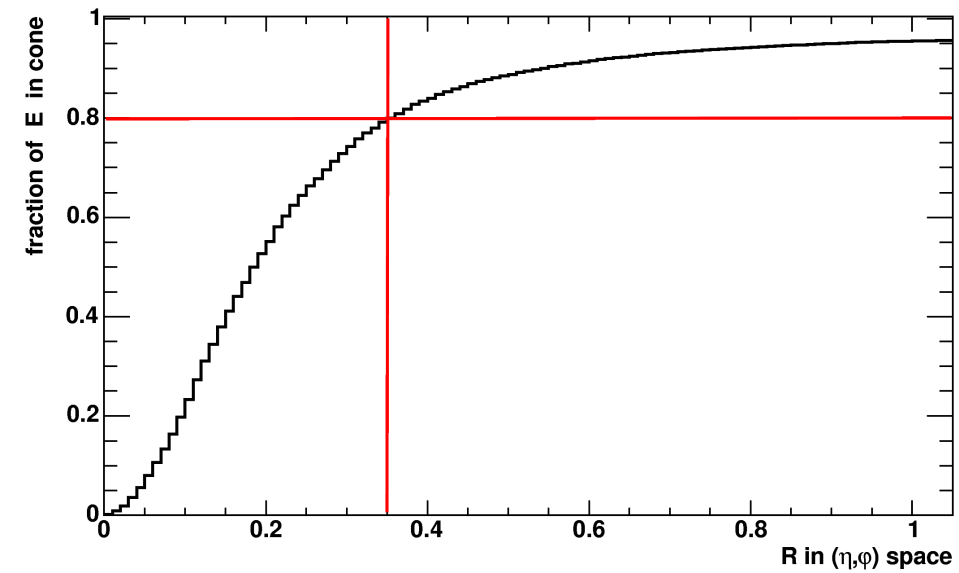
Miniplug west, 0Bias data from 0j period



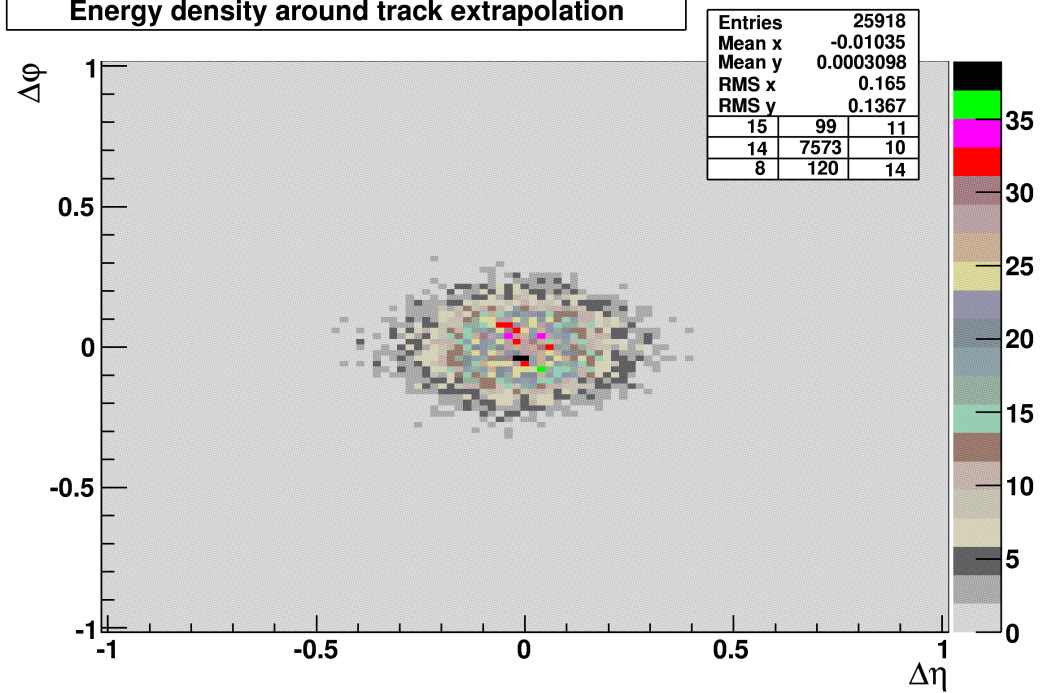
Miniplug west, 0Bias data from 0j period



Single Pion MC



Energy density around track extrapolation



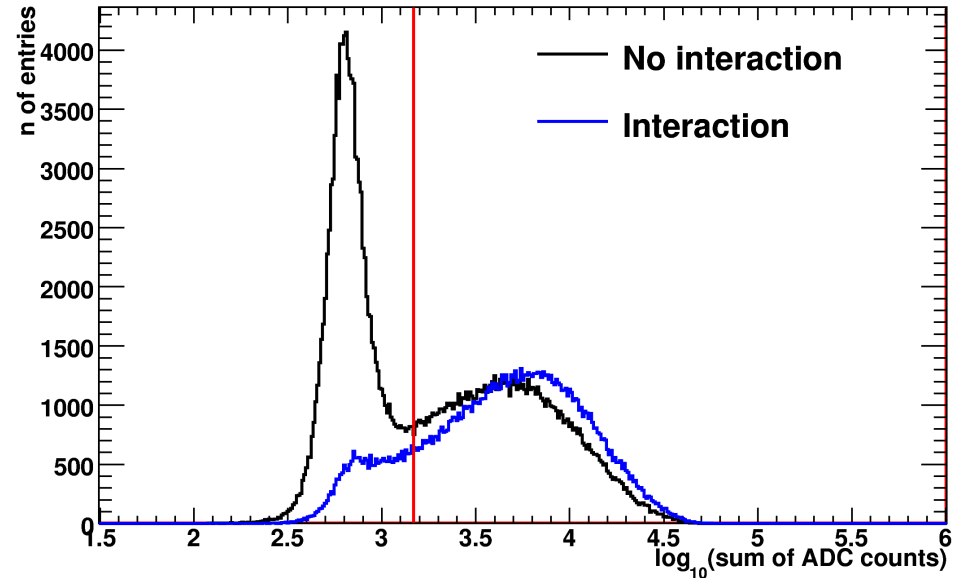
Triggers

- BSC1 and CLC in veto
- Sum of Et in Forward Plug < 0.75 GeV
- **DIFF_TWO_CJET0.5_PLUGVETO_0.75**
 - **2 central towers > 0.5 GeV**
- DIFF_TRK2_PLUGVETO_0.75
 - 2 tracks with Pt > 2GeV
- DIFF_CJET5_PLUGVETO_0.75
 - 1 central jet with Et > 5GeV

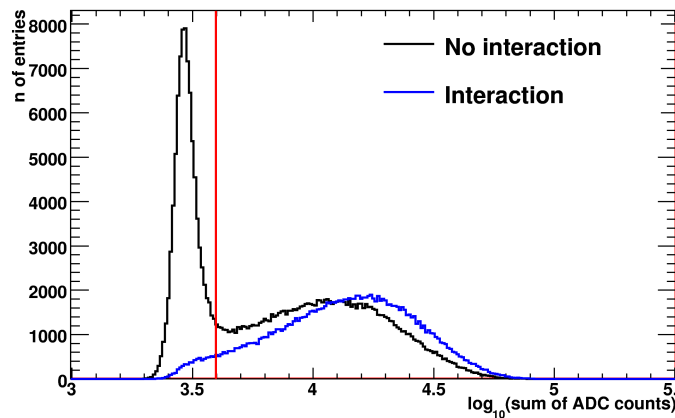
Offline gap cleanups defining noise levels

- 0Bias data was separated in to two samples:
 - No interaction:
 - No tracks
 - No muon stubs
 - No hits in CLC
 - Interaction – rest

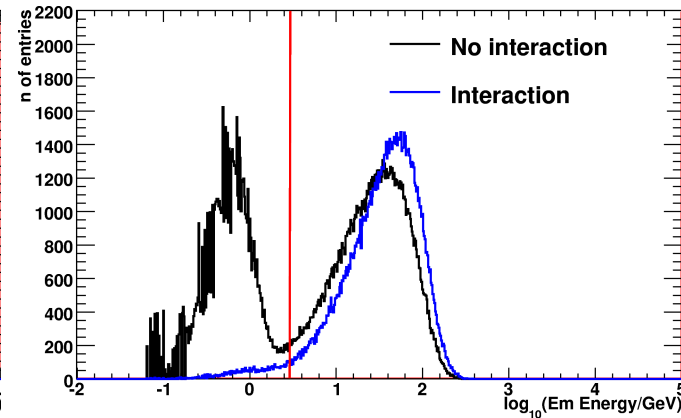
BSC1 West, 0Bias data



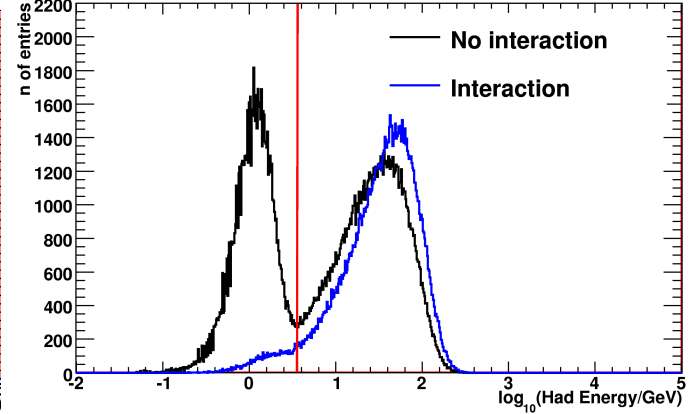
CLC West, 0Bias data



Forward Plug, $2.11 < \eta < 3.64$, 0Bias data



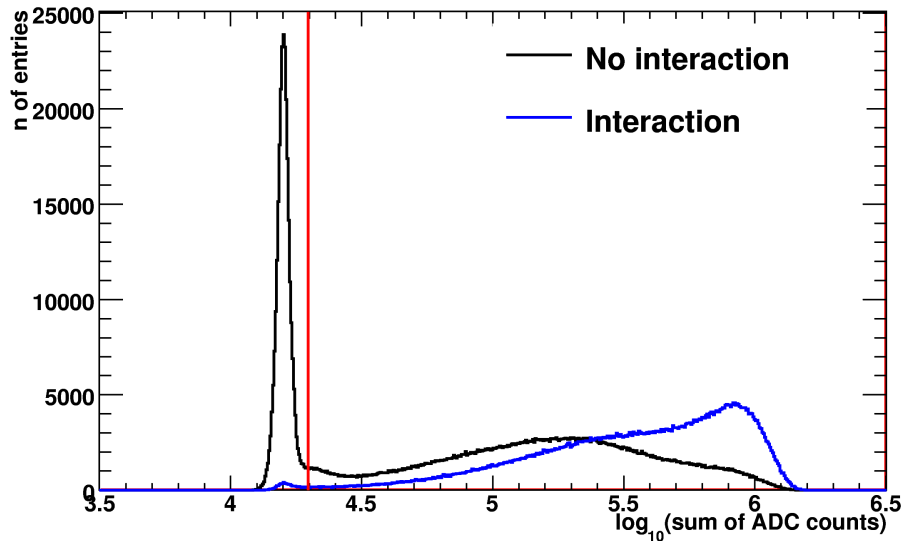
Forward Plug, $2.11 < \eta < 3.64$, 0Bias data



Gap between BSC1 and CLC

- In similar way we used 0Bias data from 0j period to determine importance of 0.7 (5.4-4.7) rapidity units coverage gap between BSC1 and CLC after veto on them.

Miniplug west, 0Bias data from 0j period



Miniplug west, 0Bias data from 0j period

